

US-PAT-NO: 5715403

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TITLE: System for controlling the  
distribution and use of  
digital works having attached usage  
rights where the  
usage rights are defined by a usage  
rights grammar

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US Patent No. - PN (1):

5715403

Detailed Description Text - DETX (87):

Behavioral integrity refers to the integrity in what  
repositories do. What  
repositories do is determined by the software that they  
execute. The integrity  
of the software is generally assured only by knowledge of  
its source.

Restated, a user will trust software purchased at a  
reputable computer store  
but not trust software obtained off a random (insecure)  
server on a network.  
Behavioral integrity is maintained by requiring that  
repository software be  
certified and be distributed with proof of such  
certification, i.e. a digital  
certificate. The purpose of the certificate is to  
authenticate that the  
software has been tested by an authorized organization,  
which attests that the  
software does what it is supposed to do and that it does  
not compromise the  
behavioral integrity of a repository. If the digital  
certificate cannot be  
found in the digital work or the master repository which  
generated the  
certificate is not known to the repository receiving the  
software, then the

software cannot be installed.

Detailed Description Text - DETX (107):

At a minimum, the user interface must permit a user to input information such as access requests and alpha numeric data and provide feedback as to transaction status. The user interface will then cause the repository to initiate the suitable transactions to service the request. Other facets of a particular user interface will depend on the functionality that a repository will provide.

Detailed Description Text - DETX (192):

Grammar element 1523

"Call-For-Price-Spec:=Call-For-Price" is similar to a "Best-Price-Spec" in that it is intended to accommodate cases where prices are dynamic. A Call-For-Price Spec requires a communication with a dealer to determine the price. This option cannot be exercised if the repository cannot communicate with a dealer at the time that the right is exercised. It is based on a secure transaction whereby the dealer names a price to exercise the right and passes along a deal certificate which is referenced or included in the billing process.

Detailed Description Text - DETX (412):

The requester decrypts the software using the key from the certificate and computes a check code on it using a 1-way hash function. If the check-code does not match the tamper-checking code from the certificate, the installation transaction ends with an error. (This step assures that the contents of the software, including the various scripts, have not been tampered with.)

Detailed Description Text - DETX (423):

The requester decrypts the software using the key from the certificate and computes a check code on it using a 1-way hash function. If the check-code does not match the tamper-checking code from the certificate, the installation transaction ends with an error. (This step assures that the contents of the software, including the various scripts, have not been tampered with.)

Detailed Description Text - DETX (514):

In the simplest scenario, when a user wants to print a digital document he issues a print command to the user interface. If the document has the appropriate rights and the conditions are satisfied, the user agrees to the fee and the document is printed. In other cases, the printer may be on a remote repository and it is convenient to spool the printing to a later time. This leads to several issues. The user requesting the printing wants to be sure that he is not billed for the printing until the document is actually printed. Restated, if he is billed at the time the print job is spooled but the job is canceled before printing is done, he does not want to pay. Another issue is that when spooling is permitted, there are now two times at which rights, conditions and fees could be checked: the time at which a print job is spooled and the time at which a print is made. As with all usage rights, it is possible to have rights that expire and to have rights whose fee depends on various conditions. What is needed is a means to check rights and conditions at the time that printing is actually done.

Claims Text - CLTX (46):

24. The computer based system for controlling distribution and use of digital works as recited in claim 23 wherein said access condition specifies an authorization certificate that must be present before an associated right may be exercised and each of said plurality of repositories is further comprised of an authorization server for checking authorization certificates.